

REMARKS

First, Applicants thank the Examiner for discussing the rejections under 35 U.S.C. § 101 and 112, second paragraph, with Applicants' representatives. A Statement of Substance of Interview is enclosed herewith.

Claims 15-28 are all the claims pending in the present application, claims 1-14 having been canceled as indicated herein. Claims 1-28 are rejected under 35 U.S.C. § 101 as allegedly being directed to nonstatutory subject matter. Claims 1-11, 15-20 and 25-28 are rejected under 35 U.S.C. § 112, second paragraph, as allegedly being indefinite. Claims 1-3, 5-6, 15-16 and 25-26 are rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over SMIL 2.0 Part 1: Overview, Concepts, and Structure by Dick C.A. Bulterman (Published in IEEE Multimedia on October-December 2001 hereinafter Bulterman) in view of SMIL 2.0 XML for Web Multimedia by Lloyd Rutledge (Published in IEEE Internet Computing on September-October 2001 hereinafter Rutledge). Claims 4, 7-11 and 17-20 are rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Bulterman in view of Rutledge, and further in view of XML Unleashed by Michael Morrison (Published by Sams on December 21, 1999 ISBN 0-672-31514-9) (hereinafter Morrison). Claims 12-14 and 21-24 are rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Bulterman in view of Synchronized Multimedia Integration Language (SMIL 2.0) (W3C Recommendation on August 7, 2001) (hereinafter W3C). Claims 27 and 28 are rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Bulterman in view of Rutledge, and further in view of W3C.

§ 101 Rejections - Claims 1-28

Claims 1-28 are rejected under 35 U.S.C. § 101 based on the reasons set forth on page 2 of the Office Action.

Applicants thank the Examiner for indicating during the interview that the rejections of claims 15-28 under 35 U.S.C. § 101 would be withdrawn.

Claims 1-14 are canceled, as indicated herein, without prejudice or disclaimer.

§ 112, Second Paragraph, Rejections - Claims 1-11, 15-20, and 25-28

With respect to the § 112, second paragraph, rejections, during the interview with the Examiner, Applicants' representatives respectfully directed the Examiner's attention to Fig. 4 and the corresponding text in paragraph 55 of the specification in response to the questions asked by the Examiner on page 3 of the Office Action. Applicants believe that the cited portions of the specification explain exemplary embodiments of the invention and demonstrate that the rejections under § 112, second paragraph, should be withdrawn. Applicants thank the Examiner for indicating that this rejection will be further considered in view of the discussion during the interview.

§ 103(a) Rejections (Bulterman/Rutledge) - Claims 1-3, 5-6, 15, 16, 25, and 26

Claims 1-3, 5, 6, 15, 16, and 25-26 are rejected under 35 U.S.C. § 103(a) based on the reasons set forth on pages 4-7 of the present Office Action.

With respect to independent claim 15, the Examiner acknowledges that Bulterman does not satisfy the features of this claim, however the Examiner believes that Rutledge makes up for the deficiencies of Bulterman. The Examiner cites page 79, left column, lines 22-25 of Rutledge as allegedly satisfying the features of previously pending claim 1 and claim 15. However, upon Applicants review of Rutledge, it is unclear what the Examiner believes is the second element which has a second attribute that implements a memory function by expressing one or more operations on one or more variables. That is, the Examiner has not identified and Rutledge does not make clear what allegedly corresponds to the claimed second element, the second attribute, the one or more operations, and the one or more variables on which the one or more operations

are expressed. Therefore, since each and every feature of claim 15 does not appear to be satisfied by Rutledge, nor Bulterman, Applicants submit that independent claim 15 is patentably distinguishable over both of the applied references, either alone or in combination. That is, the applied references do not disclose or suggest at least, “initializing one or more variables by using a first attribute of a first element; and (b) implementing a memory function by expressing one or more operations on said one or more variables by using a second attribute of a second element,” as recited in claim 15.

Applicants submit that dependent claim 16 is patentable at least by virtue of its dependency from independent claim 15.

Applicants submit that claims 25 and 26 are patentable at least based on reasons similar to those set forth above with respect to claims 15 and 16.

Claims 1-3, 5, and 6 are canceled as indicated herein without prejudice or disclaimer.

§ 103(a) Rejections (Bulterman/Rutledge/Morrison) - Claims 4, 7-11, and 17-20

Claims 4, 7-11, and 17-20 are rejected under 35 U.S.C. § 103(a) based on the reasons set forth on pages 7-10 of the present Office Action.

Applicants submit that dependent claims 17-20 are patentable at least by virtue of their respective dependency from independent claim 15. Morrison does not make up for the deficiencies of the other applied references.

Claims 4 and 7-11 are canceled as indicated herein without prejudice or disclaimer.

§ 103(a) Rejections (Bulterman/W3C) - Claims 12-14 and 21-24

With respect to dependent claim 23, Applicants submit that neither Bulterman nor W3C discloses or suggests at least, “wherein step (a) comprises defining the function as true when a rendering region of the first element overlaps with a rendering region of a second element, and step (b) includes completing rendering of the first element if the function is true,” as recited in

claim 23. The Examiner cites Fig. 2c of Bulterman as allegedly satisfying the above quoted feature of claim 23. However, Fig. 2c of Bulterman does not disclose or suggest that a function is true when a rendering region of a first element overlaps with a rendering region of a second element. In fact, there is no discussion of any overlapping of rendering regions of elements or determining whether a function is true. Also, there is no teaching or suggestion of an attribute of a first element expressing completing rendering of the first element if a function is true. In Fig. 2c, the only action event that is expressed is "begin".

Applicants submit that dependent claim 24 is patentable at least based on reasons similar to those set forth above with respect to claim 13.

With respect to claims 21 and 22, Applicants submit that the applied references do not disclose or suggest at least, "(a) defining at least one function in a first element," and "(b) expressing content to be processed when the function is true using an attribute of the first element," as recited in claims 21 and 22. W3C (see pages 6-8, 4.2.2 Elements and Attributes) discloses an "attribute" of SMIL. In order to process an element conditionally, a test-attribute should be set to a specific value, i.e., "true" or "false". However, claim 21 recites defining at least one "function" of SMIL. A function value is not set to a specific value and could be changed conditionally (see, e.g., Figs. 10 and 11 of the specification). According to FIG. 11, if a collision between image 1 and image 2 occurs, the value of the "function" would be set to "true". Also, if a collision between image 1 and image 2 does not occur, the value of the "function" would be set to "false". At least based on the foregoing, Applicants submit that claims 21 and 22 are patentably distinguishable over the applied references.

§ 103(a) Rejections (Bulterman/Rutledge/W3C) - Claims 27 and 28

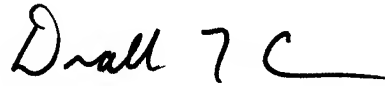
With respect to claims 27 and 28, Applicants submit that these claims are patentable at least based on reasons similar to those set forth above with respect to claims 21 and 22.

Rutledge does not make up for the deficiencies of the other applied references.

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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